EBS-N100
Setup Guide

Purpose:
This document is a set up instruction guide for the EBS-N100 unit and using it with Display Commander. Known issues of this pre-release version of Display Commander are included at the end of the document.

Components:
1 - EBS-N100
1 – AC Adapter for EBS-N100
1 – RS232C cable

Loading Display Commander Software
The Display Commander software is included in an e-mail attachment. This software extends the control set of the EBS-N100 from individual unit control to group controls.

Connections
Connecting EBS-N100 to Sony Professional Monitor

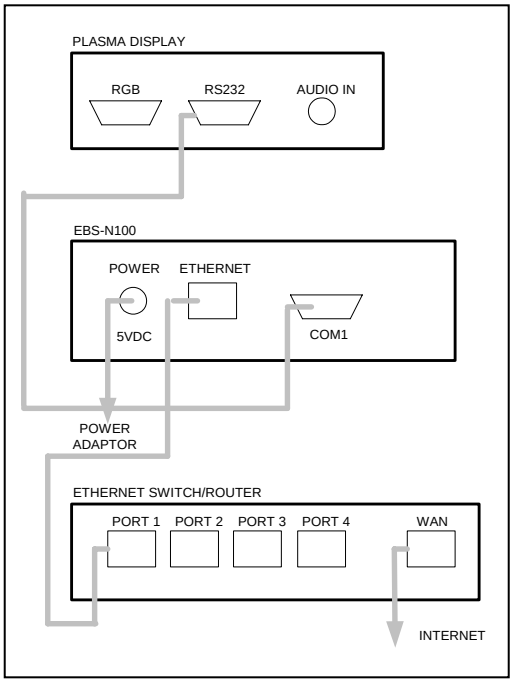
1) RS232C Cable
    a. Attach the 9-pin RS232C Cable to the port labeled “COM1” on the EBS-N100
    b. Attach the other end to the REMOTE input on the Sony Monitor

Connecting the EBS-N100 to a Network Router

1) CAT5 Cable
    a. Plug the RJ45 connector into the back of the EBS-N100
    b. Plug the other end of the CAT5 cable into a LAN port on the router

Power Up

1) Plug in the AC Adapter for the EBS-N100



Configuration

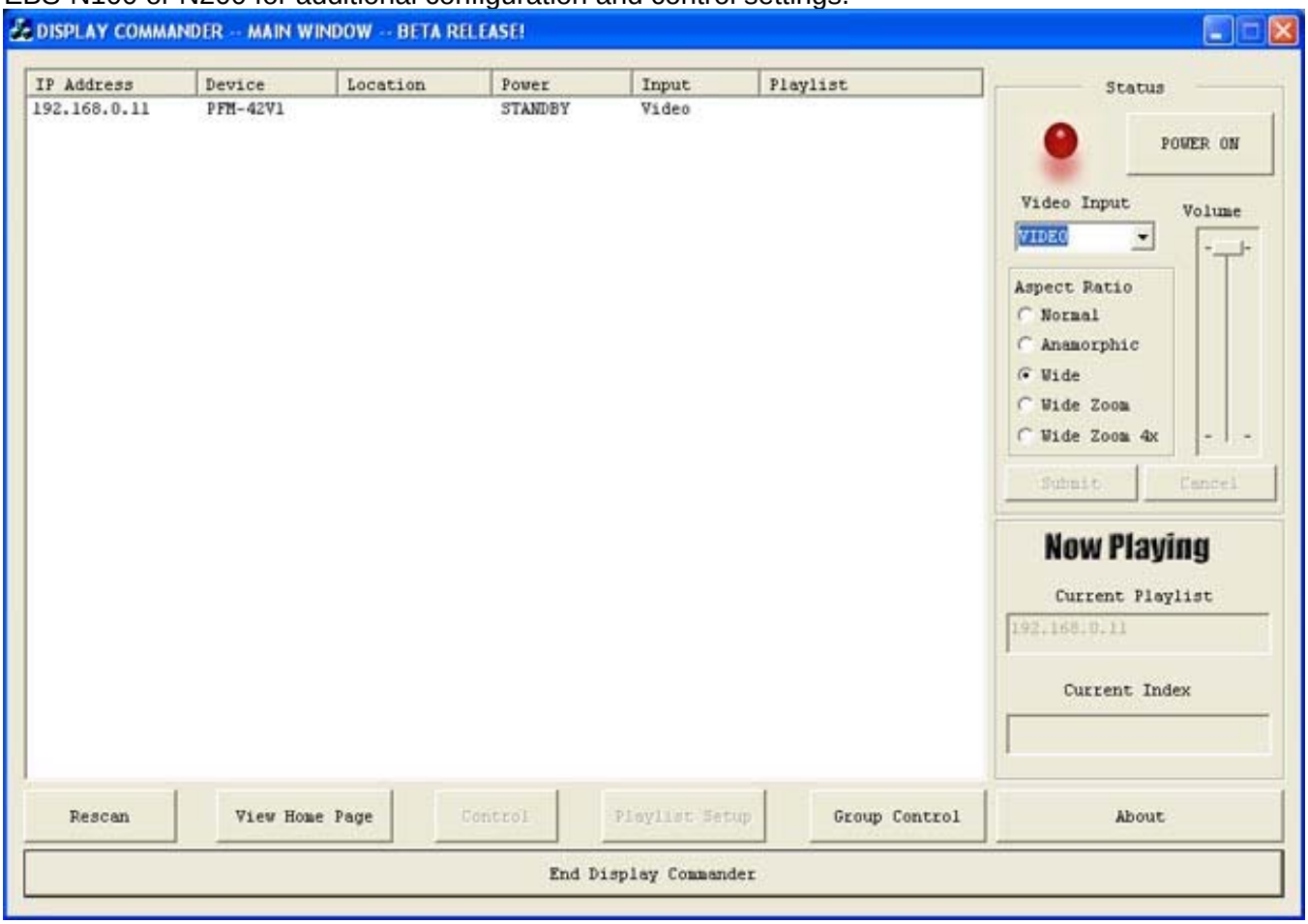
The EBS-N100 can be controlled and configured in two ways. The first is using the Display Commander application to identify and control the EBS-N100 unit. The second is through an embedded HTML Interface page for configuration and control.

Display Commander

Once power has been applied to the unit, double click on the Display Commander icon in the folder where the application was extracted to from the Zip file. After a couple of seconds, the attached EBS-

N100 device will appear on the left side of the screen (if the test unit's IP does not appear, it may be necessary to click on Rescan to search the network for the device).

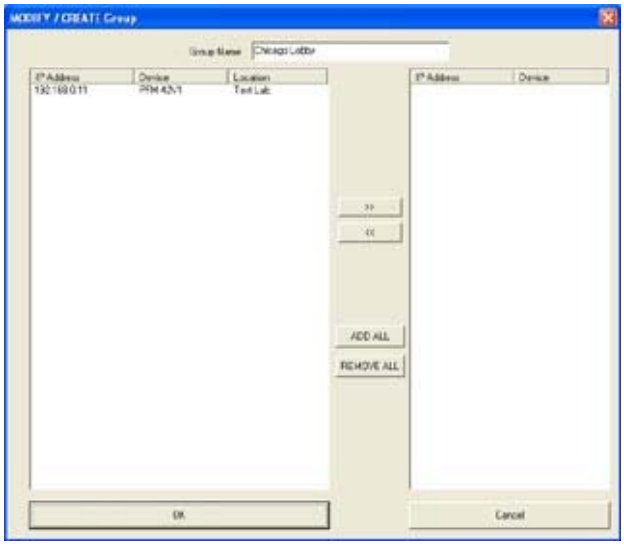
By selecting the EBS-N100, you may adjust basic controls from the Display Commander, such as Power On/Off, Check Status, Select Input, Adjust Volume or change Aspect Ratio of the video. The Display Commander software will allow you to directly access the HTML Control Page for a desired EBS-N100 or N200 for additional configuration and control settings.



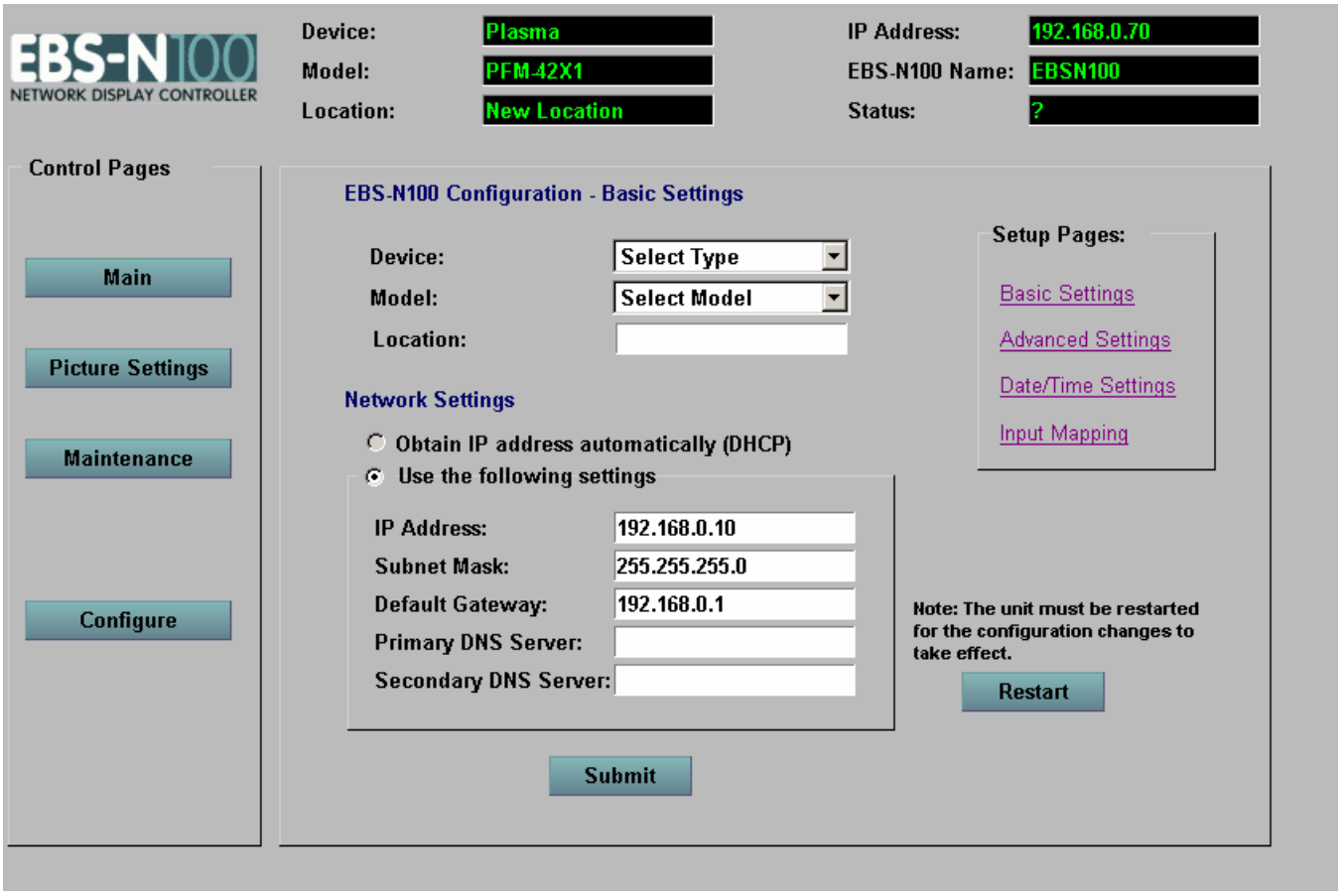
Group Control Function

With more than one EBS-N100 or EBS-N200 units on the same network, groups can be created to manage multiple displays simultaneously. By clicking Group Control, a sub-window will prompt you for a name for the group (i.e. – Chicago Office Lobby) . Click OK.

The next window will provide a list of available EBS-N100 or EBS-N200 units on the left side of the screen, and by highlighting and adding or deleting these from the selected units on the right side of the screen, a group is created for simultaneous control. Once all the desired units are added to the group, click OK.



HTML Interface Configuration
Once power has been applied to the unit, an IP address must be assigned manually thru the EBS-N100's web interface.



All EBS-N100's are shipped with a Static IP Address of 192.168.0.10. This IP address can be changed as follow:

- Connect the EBS-N100 to a computer with the same sub-net (192.168.0.XXX)
- Start the computers browser and enter 192.168.0.10
- The EBS-N100's main web page will appear; select the **Configure** tab and the following page will appear
- Set the desired IP address, Subnet Mask, and Default Gateway and document below:

  IP Address:

  ☐ ☐ ☐ ☐

- Select **Submit** and **Restart** to reboot the unit for the new IP Address to take effect

Configuring the Unit
Before you begin using the EBS-N100, you must enter the display type and model to which it is connected. The controls available in the user interface (EBS-N100 software) directly correspond to the

display type and model that you select. To enter the display type and model, perform the following steps:

- In the **Device** field, select the type of display to which the EBS-N100 is connected.
- In the **Model** field, select the model of the device.
- In the **Location** field, enter the location of the EBS-N100, such as a room number or a conference room. This information is helpful to identify the EBS-N100 unit.
- Click the **Submit** button. The controls available on the user interface will directly correspond to the selected display and model

Controlling a Display

Once configured for a particular display device, the EBS-N100 may be used to control display parameters. An example web page used for display control is shown below. The actual controls available are dependent upon the particular display model.

Sections in the HTML Control Main Page

Status Windows
Device (Product Type)
Model (Model of Product)
Location (User defined ID)
IP Address (Network Address)
EBS-N100 Name (User Defined)
Status (Status of Display)

Buttons
Power
Input Selection
Picture Mode (color settings)
Aspect Ratio
Zoom

Picture Settings

Reset Picture (return to default)
Reset Audio (return to default)
Reset Size (return to default)

More Settings
Color Settings (Cool, Warm, etc.)
Color Systems (Auto, NTSC, PAL)

Maintenance

This section allows the immediate performance of maintenance or to schedule timed maintenance functions on a display.

Energy Savings
Standard (normal brightness)
Reduced (approx. 30% less bright)

Picture Inversion
This feature reverses the blacks and whites to counter-act the affects of image retention on Plasmas. Using a static image of text or logos can cause image retention. By using inversion, the effects are minimized by reversing the image. This function can be scheduled to be performed at night or after hours when the display is not viewed.

Orbit
Another method of reducing image retention is to use Orbit, which will move the image in a slight shifted pattern and therefore minimize the static placement of images.

Configure

This page is used for basic and advanced configuration options for the EBS-N100. It is from this page that the connected product type is selected and user identified information can be included.

Network settings allow for the IP of the selected EBS-N100 to be either assigned an IP by a DHCP server or for a fix IP to be set by the user.

Under Advanced Settings, an alternative name can be assigned to the EBS-N100 and password settings for access to display controls can be set.